



Factors affecting food security and contribution of modern technologies in food sustainability

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Abstract:

The concept of food insecurity is complex and goes beyond the simplistic idea of a country's inability to feed its population. The global food situation is redefined by many driving forces such as population growth, availability of arable lands, water resources, climate change and food availability, accessibility and loss. The combined effect of these factors has undeniably impacted global food production and security. This article reviews the key factors influencing global food insecurity and emphasises the need to adapt science-based technological innovations to address the issue. Although anticipated benefits of modern technologies suggest a level of food production that will sustain the global population, both political will and sufficient investments in modern agriculture are needed to alleviate the food crisis in developing countries. In this globalised era of the 21st century, many determinants of food security are trans-boundary and require multilateral agreements and actions for an effective solution. Food security and hunger alleviation on a global scale are within reach provided that technological innovations are accepted and implemented at all levels.

Source: <http://dx.doi.org/10.1002/jsfa.4666>

Resource Description

Communication:

resource focus on research or methods on how to communicate or frame issues on climate change; surveys of attitudes, knowledge, beliefs about climate change

A focus of content

Communication Audience:

audience to whom the resource is directed

Policymaker

Exposure :

weather or climate related pathway by which climate change affects health

Food/Water Security, Food/Water Security

Food/Water Security: Agricultural Productivity, Livestock Productivity

Climate Change and Human Health Literature Portal

Geographic Feature:

resource focuses on specific type of geography

None or Unspecified

Geographic Location:

resource focuses on specific location

Global or Unspecified

Health Co-Benefit/Co-Harm (Adaption/Mitigation):

specification of beneficial or harmful impacts to health resulting from efforts to reduce or cope with greenhouse gases

A focus of content

Health Impact:

specification of health effect or disease related to climate change exposure

Malnutrition/Undernutrition

Intervention:

strategy to prepare for or reduce the impact of climate change on health

A focus of content

Mitigation/Adaptation:

mitigation or adaptation strategy is a focus of resource

Adaptation

Resource Type:

format or standard characteristic of resource

Review

Timescale:

time period studied

Time Scale Unspecified